ORION
ENTRANCE CONTROL INC.

ORION
SpeedGate
Product Data Sheet

OBSG-TL
Optical Barrier Swing Glass-ThinLine

Orion Entrance Control, Inc., offers a variety of aesthetically pleasing security SpeedLane turnstiles that best suit your individualized lobby needs.

The Optical Barrier Swing Glass-ThinLine SpeedLane turnstile comes with 3/8 inch (9 mm) clear tempered no touch, swinging glass. The clear view barriers keep the clean look of the lobby while meeting the highest security standards.

The standard finish is brushed stainless steel with horizontal grain, and a Corian® top. Pedestals are available with either flat or rounded ends.

ORION
ENTRANCE CONTROL INC.

ORION
SpeedGate
Product Data Sheet

OBSG-TL
Optical Barrier Swing Glass-ThinLine

Method of Operation
When a person approaches the SpeedLane turnstile for entry, they present an access card or credential to the access control card reader. The reader is typically mounted inside the pedestal, under the Lane Status Indicator (LSI). If the credential is valid, entry is authorized. The top-mounted LSI will change to a green arrow pointing in the authorized direction. A confirmation tone will sound, giving the user both an audible and visual notification that they may pass through the SpeedLane. The barrier will move in the direction of travel away from the user. A visual red X displayed on the LSI and an audible alarm signifies an invalid entry or a tailgating attempt.

Optical Detection
20 pairs (40 sensors) of industrial duty red LED photoelectric beams that are linked to the primary input/output board. The board has a 32-bit microprocessor for faster speed.

Throughput
One person per second. (Subject to access control outputs).

Tailgate Detection
The system recognizes patterns of movement through the lane to differentiate between a person pushing or pulling an item and a person attempting to piggy back on a valid entry. Beam scanning algorithmic pattern detection allows valid users of the lane to be within ¼ inch.

Bi-directional Card Stacking
For increased throughput the system is capable of receiving up to 99 authorized access credits. Barriers don't need to close between transactions and will remain in the open position until all of the credits are used. If all credits are not used or after 5 seconds of inactivity the system resets and secures the lane. Credit stacking is active in both directions simultaneously.

Sound Card
The Orion Sound Card emits 4 different tones via an 8 ohm speaker to indicate lane status, i.e.: valid transaction/enter, invalid card/intrusion, crawl/climb, or tailgate attempt. Digitally controlled, the sound card allows for volume adjustment on-board or via the Infinity Remote Lane Control™ software.

Power
24VDC to pedestal from external power supply provided with product. Dedicated 120V 15A circuit required. Each power supply will support a maximum of 2 lanes.

Reader Integration
Mounting options for proximity and bar code card readers are located at each end of the pedestal, just under the LSI array. Upon request, Orion Entrance Control can integrate a variety of other readers (barcode readers, swipe readers, biometric readers, etc.) and access control solutions at both ends of the SpeedLane. We can also recommend a single device reader that provides the ability to read bar codes, QR codes, proximity cards, and iCLASS cards.

Lane Status Indicators
LED arrays are fitted into the pedestal tops, one for each direction, to visually assist the user when passing through the lane. Can also be front mounted, if desired.

Crawl Under Detection
Beams detect barrier crawl-under attempts as low as 10 inches from the floor and will trigger a visible and audible alarm and an appropriate trigger signal to the access control system.

Safety Features
In a power loss scenario, barriers will remain in the closed position and must be manually moved to exit direction. The barriers will remain in that state until power is restored. Once power is restored, barriers will return to closed position automatically. In a fire alarm event the barriers will open in the exit direction, remain in the open position and reset automatically when the fire relay is restored.

Warranty
Three (3) year return-to-factory warranty on all electrical components.

AVAILABLE OPTIONS:

Infinity Remote Lane Control (Software Only) IRLC-SW
Orion's Infinity Remote Lane Control software is user friendly, intuitive and maximizes SpeedLane performance. IRLC-SW offers support for end users and integrators including advanced alarm type display, technical diagnostic service tools, lane beam status, I/O status, and on-the-fly volume adjustment.

Remote Lane Controller-Push Button RLC-PB
Allows security personnel access to lanes via desktop controller. A red LED indicates lanes in alarm and allows security personnel to acknowledge alarms, grant visitor access, reset barriers, and disables lanes.

Climb Over Detection
Utilizes load cell technology to detect an intruder attempting to climb on or over the pedestal top to gain entry into the building.

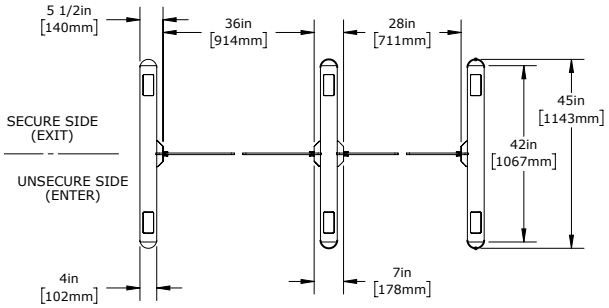
Optical Lane Mounting Platform
The Optical Lane Mounting Platform (OLMP) allows pedestals to be mounted and wired without having to core for conduits or anchor to the floor.

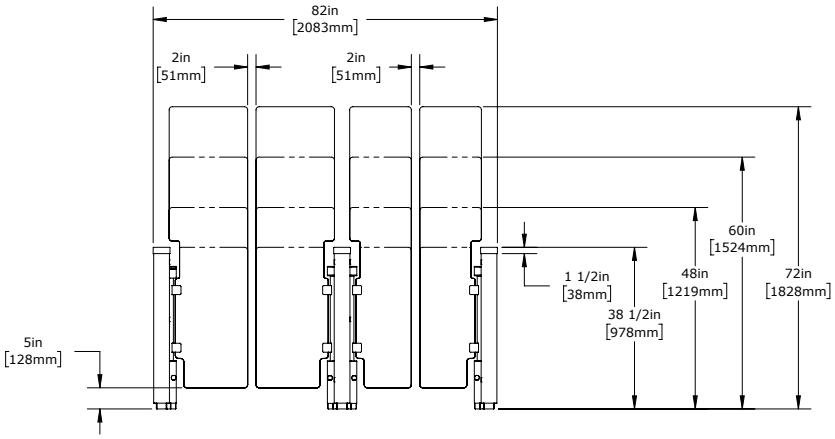
Logo Printing on Glass
Your logo or art is Dip-Tech printed on the glass panels.

ORION
SpeedGate
Product Data Sheet

ORION
ENTRANCE CONTROL INC.

OBSG-TL
Optical Barrier Swing Glass-ThinLine





TYPICAL
OBSG-TL, SQUARE ENDS
ONE 28" STANDARD LANE
ONE 36" ADA LANE
2 LANE 3 PED

Technical Data

	Standard Inch	Standard MM	ADA Inch	ADA MM
Lane Width	28	711	36	914
Pedestal Height *Pedestal height may vary due to custom top material and technology installed*	38½	978	38½	978
Pedestal Length With Rounded Ends	45	1143	45	1143
Pedestal Length With Flat Ends	42	1067	42	1067
Pedestal Width	4	102	4	102
Glass Height	31½	800	31½	800

Certifications

Conforms to UL Standard 60950-1, subject 2593

The drawing and picture presented is illustrative only. Orion Entrance Control, Inc. reserves the right to change product specifications without prior notice.

Orion Entrance Control, Inc.
76A Lexington Drive, Laconia, NH 03246 - (603) 527-4187 - https://orioneci.com/